

U.S. Patent Application Serial No. 10/578,335  
Response filed September 29, 2010  
Reply to OA dated July 9, 2010

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**Claim 1 (Currently Amended):** A content recording apparatus, comprising:

an outputter which outputs a content which expresses a continuous change with time and has a reference position assigned at an intermittent timing;

a first recorder which records the content output by said outputting means onto a recording medium;

a first creator which creates position information pointing a plurality of positions on the content output by said outputter in parallel with an output operation of said outputter; and

a second recorder which records the position information created by said first creator onto said recording medium through an I/F every time that said reference position is specified.

**Claim 2 (Previously Presented):** A content recording apparatus according to claim 1, further comprising a memory which temporarily stores the content output by said outputter, wherein said first recorder records the content stored in said memory onto said recording medium in synchronous with recording by said second recorder.

U.S. Patent Application Serial No. **10/578,335**  
Response filed September 29, 2010  
Reply to OA dated July 9, 2010

**Claim 3 (Original):** A content recording apparatus according to claim 1, wherein said content is a motion image content encoded by an MPEG format, and said reference position is a position of a frame on which an intra-encoding is performed.

**Claim 4 (Original):** A content recording apparatus according to claim 3, wherein said plurality of positions includes said reference position and a non-reference position, and said non-reference position is a position of a frame on which an inter-encoding is performed.

**Claim 5 (Previously Presented):** A content recording apparatus according to claim 1, wherein said first recorder stores said content in a first file formed in said recording medium, and said second recorder stores said position information in a second file formed in said recording medium, and further comprising

a connector which connects said first file and said second file with each other.

**Claim 6 (Previously Presented):** A content recording apparatus according to claim 5, further comprising:

a second creator which creates an index content corresponding to said reference position; and

a third recorder which records the index content created by said second creator onto said recording medium.

U.S. Patent Application Serial No. **10/578,335**  
Response filed September 29, 2010  
Reply to OA dated July 9, 2010

**Claim 7 (Previously Presented):** A content recording apparatus according to claim 6, wherein said third recorder includes a storage which stores said index content in a third file formed in said recording medium, and a linker which links said third file with said connection file.

**Claim 8 (Previously Presented):** A content recording apparatus according to claim 7, wherein said linker assigns an identifying number the same as said connection file to said third file.

**Claim 9 (Currently Amended):** A video camera having a content recording apparatus according to claim 1.

**Claim 10 (Previously Presented):** A video camera having a content recording apparatus according to claim 2.

**Claim 11 (Previously Presented):** A video camera having a content recording apparatus according to claim 3.

**Claim 12 (Previously Presented):** A video camera having a content recording apparatus according to claim 4.

U.S. Patent Application Serial No. **10/578,335**  
Response filed September 29, 2010  
Reply to OA dated July 9, 2010

**Claim 13 (Previously Presented):** A video camera having a content recording apparatus according to claim 5.

**Claim 14 (Previously Presented):** A video camera having a content recording apparatus according to claim 6.

**Claim 15 (Previously Presented):** A video camera having a content recording apparatus according to claim 7.

**Claim 16 (Previously Presented):** A video camera having a content recording apparatus according to claim 8.